Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/08/2021 08:54 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124530	-1	1.22	124452	1.18
Blue	F	SSC	125000	122370	-3	2.52	122708	2.43
Blue	E	FITC	13131	12779	-3	2.24	295	15.11
Blue	D	PE	24112	23918	-1	1.62	548	10.45
Blue	B	PerCP-Cy5-5	31295	30607	-3	2.96	1015	14.01
Blue	A	PE-Cy7	19939	19680	-2	5.01	528	28.93
Red	C	APC	42122	41644	-2	3.12	1745	11.28
Red	A	APC-Cy7	22340	21613	-4	3.52	807	11.73
Violet	B	V450	7410	7009	-6	3.70	430	12.57
Violet	A	V500	28118	26987	-5	3.19	674	9.92

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23055	1.33	563	-6	N/A	N/A	Pass
Blue	F	SSC	57245	1.06	517	5	N/A	N/A	Pass
Blue	E	FITC	54	54.62	483	-4	0.0468	164	Pass
Blue	D	PE	116	36.61	486	-2	0.4838	372	Pass
Blue	B	PerCP-Cy5-5	189	34.82	581	-5	0.0216	79	Pass
Blue	A	PE-Cy7	105	66.12	623	-5	0.0219	0	Pass
Red	C	APC	403	23.96	579	3	0.0293	227	Pass
Red	A	APC-Cy7	181	27.05	552	1	0.0062	812	Pass
Violet	B	V450	60	63.54	457	4	0.0597	2242	Pass
Violet	A	V500	97	35.84	469	4	0.0265	1130	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.64	-31.43	1.07
Blue	20.34	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	15.38	13.60 - 20.40	N/A	N/A	29.98	30.04	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 14039

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments